SRIHITHA MARADI

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EDUCATION

Master of Science (Computer Science) - University of North Texas, Denton **Expected May 2025** GPA: 4.0/4.0

Course Work: Data Structures & Algorithms, Software Engineering, Database Systems using MySQL, Software Development of AI, Operating Systems, Disturbed & Parallel database, Machine Learning.

Bachelor of Engineering (Mechanical Engineering) - Osmania University **Aug 2016 – Oct 2020** GPA: 3.9/4.0

TECHNICAL SKILLS

Programming Languages	: Java, C, Python, RPGLE, Golang, C++
Operating Systems	: Windows, Linux
Web Technologies	: HTML, CSS, JavaScript, Angular, AWS
Databases	: IBM DB2, MySQL, PostgreSQL
Other Tools	: Eclipse, Visual Studio, IBM iSeries, JIRA, IntelliJ, NetBeans IDE, PyCharm, Cassendra
Microsoft Office	: Word, Excel

PROFESSIONAL EXPERIENCE

University of North Texas (UNT), Denton, USA - Graduate Teaching Assistant **Jan 2024 -Present**

- Graded students' homework and exams to provide accurate and timely evaluations of their understanding.
- Performed weekly workshops for 30+ students focusing on difficult course topics, which improved test scores by an aver age of 15% and increased retention rates for future courses within the department.
- Conducted personalized tutoring sessions for 10 students covering complex database topics; provided tailored resources that resulted in an average grade increase of 15% across all participants in subsequent assessments.
- Academic guidance given by mentoring and projects, assisting students better understand the fundamentals of the Distributed and Parallel Database System.

INFOSYS Software LTD, Hyderabad, India - Senior Systems Engineer **Apr 2021 -July 2023**

- Employed efficient business logic for data handling and presentation, leveraging design patterns for modular and maintainable code, thereby enhancing application flexibility.
- Constructed a series of Java solutions that streamlined integration processes with external systems, creating a secure, bid irectional data flow; reduced system downtime by 20%, thus improving overall service delivery metrics.
- Implemented APIs and messaging systems, resulting in a 30% reduction in data synchronization issues and a 10% increase in customer satisfaction.
- Optimized java codebase for a 25% improvement in data processing efficiency; managed comprehensive testing, resulting in a 20% reduction in system resource utilization and an annual cost-saving of $50,000.
- Enhanced data restoration efficiency using the JIRA ticketing tool for seamless transfers from production to testing servers for BI, DEV, and Infrastructure teams

***HAVOC THERAPY Private LTD,* Hyderabad, India - Front-end Developer Intern** **Aug 2020 – Mar 2021**

- Designed an engaging online web application using JavaScript frameworks, HTML, and CSS3 and enabled users to connect with trained psychiatrists, fostering a platform for sharing emotions and their concerns.
- Engineered the front end with Angular for an interactive web application featuring real-time chat; contributed to elevating overall user satisfaction metrics by 31%, while also increasing target audience interaction rates by 12%.
- Implemented performance-tuning techniques to back-end queries and stored procedures, which improved the application's performance by 46%.

ACADEMIC PROJECTS

Airline Management System

University of North Texas, Denton, Texas

- Built an airline ticketing web application using ReactJS and Spring Boot microservices that supports secure and efficient flight search and purchasing. Ensured high reliability and data security across services.
- Streamlined quality assurance by designing and implementing test cases, improving performance metrics by 20%, creating comprehensive documentation to raise customer satisfaction by 25% and usability.

Distributed File Storage System

- Created a distributed file storage system (CloudDrive) using RESTful APIs to allow file retrieval, sharing, and deletion, to allow reliable application.
- Constructed an innovative data chunking framework with replication across two nodes using AWS S3 for efficient storage management while employing Cassandra for metadata handling to ensure less than 30 seconds downtime during updates.
- Containerized the CloudDrive application using Docker and deployed it on Kubernetes, achieving a 40% increase in system scalability while ensuring robust error handling and effective logging for advanced dependability.